

## Abstract

A routing system of call connection and call routing for radio telephone communications system including cellular radio systems wherein the mobiles transmit on channels in a first band. and the bases transmit on channels in a second band. The routes are selectable from more than one possible route to a desired destination using routing tables to permit different destinations for different calls selectively based on telephone number indications. The system includes multiple blind nodes that do not support direct base to mobile communication. The blind nodes transmitting in the band used for transmission by the mobiles, and nodes receive in the band used for receiving by the mobiles such that the system performs in a limited number of bands of frequencies.